RECEIVED

JUN 1 9 2002

TECH CENTER 1600/2900 Our Reference No. 6580-234

TECH CENTER 1600/29

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit: 1652

Examiner: unknown

Ir	re Application	of	
E	Iamas Cauiras	Inlant Datal	

E. James Squires, Jakub Babol Kerstin Lundstrom

Serial No. 10/024,628

Filed: November 23, 2001

For: METHOD OF DETECTING AND REDUCING BOAR TAINT

The Commissioner of Patents & Trademarks
Washington, D.C. 20231
U.S.A.

Dear Sir:

FILING OF AN INFORMATION DISCLOSURE STATEMENT

In accordance with 37 CFR 1.97 and 1.98, and in recognition of the duty of disclosure set forth in 37 CFR 1.56, Applicants hereby submit an Information Disclosure Statement on Form PTO-1449 containing a listing of patents and other publications of which Applicant is aware. Applicants are also submitting the references listed on the Information Disclosure Statement.

All of the patents and publications submitted herewith are in the English language. Accordingly a concise explanation of the relevance of the documents is not required.

The Examiner is requested to indicate consideration of these documents by initialling the appropriate column.

Applicants reserve the right to contest the applicability of any of these documents as prior art against the subject application. If the Examiner has any questions concerning this Information Disclosure Statement, he/she is requested to contact the undersigned.

Entry of the enclosed Information Disclosure Statement is believed to be in order and is respectfully requested.

This Information Disclosure Statement is being filed before the issuance of a first official action, and therefore no fees are required. However, please charge our deposit account No. 02-2095 if such a fee is required.

Respectfully submitted,

E. James Squires, Jakub Babol Kerstin Lundstrom

Patricia Power

Registration No. P-51,379

Dated: June 11, 2002

Bereskin & Parr Box 401, 40 King Street West Toronto, Ontario, Canada M5H 3Y2

(416) 364-7311

APPLICANT (Use several sheets if necessary) U.S PATENT DOCUMENTS U.S PATENT DOCUMENTS DOCUMENT DATE NAME CLASS SUB-CLASS FILING DATE FAPPROPRIATE FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DOCUMENTS DOCUMENT DATE NAME CLASS SUB-CLASS FILING DATE FAPPROPRIATE POREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS YES NO DK 171085 June 24/94 Denmark No DK 171085 June 24/94 DENMAR JUN			•							
SERIAL NO. ATTY. DOCKET NO. 6580-234 APPLICANT BY APPLICANT (Use several sheets if necessary) U.S. PATENT AND TRADEMARK OFFICE NOOMBER NOOLUMENT DATE NUMBER DOCUMENT NUMBER DOCUMENT NUMBER DATE NAME CLASS SUB- CLASS SUB- CLASS SUB- CLASS SUB- CLASS SUB- TRANSLATION NO NO THER DOCUMENTS OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) 1. Jensen, M.T. et al., "Microbial production of skatole in the hind gut of pigs fed different diets and its relation to skatole deposition in backfar", Proc of Meeting of EAAP Working Group, Meat & Livestock Comm., UK, Sept. 27-29, 1995. 2. Babol, J. et al., "Relationship between oxidation and conjugation metabolism of skatole in pig liver and levels of skatole in fat", EEAP Pub. No. 92, pp. 53-50. Cct. 1-3, 1997. 4. Laue, A. et al., "Effect of tryptophain infision on the production of indole derivatives in the hind gut and absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone and skatole", EEAP Pub. No. 92, pp. 52-50. Oct. 1-3, 1997. 7. Andersson, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bake, C. et al., "Identification of Science Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Fai", J Anim Sci, Vol. 76, pp. 829-838, 1998. 10. Babol, J. et al., "Relationship between boar taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 8. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bake, C. et al., "Identification of Science Metabolities of Skatole in Pig Liver and Concentrations of Skatole in Fai", J Anim Sci, Vol. 76, pp. 82)							TECH CE		
NEORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) U.S PATENT AND TRADEMARK OFFICE BY APPLICANTS: Squires, E. James, et al FILING DATE: November 23, 2001 GROUP: U.S PATENT DOCUMENTS U.S PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER DOCUMENT NUMBER DATE NAME CLASS SUB- CLASS TRANSLATION NOMBER DATE NAME CLASS DOCUMENT NUMBER DATE NAME CLASS DOCUMENT NUMBER DATE NAME CLASS DESTINATION NOMBER DK 171085 June 24/94 Denmark Denmark DOTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) 1. Jensen, M.T. et al., "Microbial production of skatole in the bind gut of pigs fed different diets and its relation to skatole deposition in backfar", Proc of Meeting of EAAP Working Group, Meat & Livestock Comm., UK, Sept. 27-29, 1995. 2. Babol, J. et al., "Involvement of cytochrome P450IIE1 in hepatic metabolism and clearance of skatole", EEAP Pub. No. 92, pp. 34-57. Oct. 1-3, 1997. 3. Babol, J. et al., "Relationship between oxidation and conjugation metabolism of skatole in pig liver and levels of skatole in fair, "EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 4. Laue, A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and absorption to the portal veni", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Involvement of cytochrome b5 in androstenone and skatole", EEAP Pub. No. 92, pp. 58-65. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Relationship between metabolism of androstenone biosynthesis", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 7. Andersson, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bake, C. et al., "Helpatic shatole shatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 10. Babol, J. et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pi	- POO 1440 I	LC DEPARTMENT O	E COMMEDCE	ATTY DOCUET NO	6580-234		SERIAL NO	. =		
SECOND PRICE OF STATEMENT (Use several sheets if necessary) U.S. PATENT DOCUMENTS U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER DOCUMENT NUMBER DOCUMENT DATE NAME CLASS SUBCLASS FILING DATE FAPPROPRIATE PORTIFICATION OF THE NAME CLASS SUBCLASS TRANSLATION NUMBER DOCUMENT DATE NAME CLASS SUBCLASS TRANSLATION NUMBER DX 17108S June 24/94 Denmark DX 17108S June 24/94 Denmark DX 17108S June 24/94 Denmark OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) 1. Jensen, M.T. et al., "Microbial production of skatole in the hind gut of pigs fed different diets and its relation to skatole deposition in backfair", Proc of Meeting of EAAP Working Group, Meat & Livestock Comm., UK, Sept. 27-29, 1995. 2. Babol, J. et al., "Involvement of cytochrome P450IEI in hepatic metabolism and clearance of skatole", EEAP Pub. No. 92, pp. 49-53. Oct. 1-3, 1997. 4. Laue, A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 4. Laue, A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp. 66-69. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone and skatole", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 7. Andersson, K. et al., "Relations between boar taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 8. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bake, C. et al., "Hepatic Metabolism of Skatole in Plasma and Urine from Pigs", JAgric Food Chem, Vol. 45, pp. 2332-2340, 1997. 10. Babol, J. et al., "Relationship Between Oxidation and Conjugation Metabolism o						SERIAL NO	20			
EXAMINER NITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE FAPPROPRIATE FOREIGN PATENT DOCUMENTS DOCUMENT DATE NAME CLASS SUB-CLASS VER NO NO NUMBER DK 171085 June 24/94 Denmark DK 171085 June 24/94 Denmark OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) 1. Jensen, M.T. et al., "Microbial production of skatole in the hind gut of pigs fed different diets and its relation to skatole deposition in backfair", Proc of Meeting of EAAP Working Group, Meat & Livestock Comm., UK, Sept. 27-29, 1995. 2. Babol, J. et al., "Involvement of cytochrome P450IIE1 in hepatic metabolism and clearance of skatole", EEAP Pab. No. 92, pp. 49-53. Oct. 1-3, 1997. 3. Babol, J. et al., "Relationship between oxidation and conjugation metabolism of skatole in pig liver and levels of skatole in fair", EEAP Pub. No. 92, pp. 54-57. Oct. 1-3, 1997. 4. Lauc, A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp. 62-65. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone biosynthesis", EEAP Pub. No. 92, pp. 66-69. Oct. 1-3, 1997. 7. Andersson, K. et al., "Relationship between bear taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 8. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bak, C. et al., "Identification of Selected Metabolites of Skatole in Pigs by Cytochrome P4501E1 in Liver and Levels of Skatole in Fai", J Anim Sci, Vol. 76, pp. 829-838, 1998. 10. Babol, J. et al., "Relationship Between Cytochrome P4501E1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.	INFORMATION D	DISCLOSURE STATE	MENT				cnorm	600/		
EXAMINER NITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE FAPPROPRIATE FOREIGN PATENT DOCUMENTS DOCUMENT DATE NAME CLASS SUB-CLASS VER NO NO NUMBER DK 171085 June 24/94 Denmark DK 171085 June 24/94 Denmark OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) 1. Jensen, M.T. et al., "Microbial production of skatole in the hind gut of pigs fed different diets and its relation to skatole deposition in backfair", Proc of Meeting of EAAP Working Group, Meat & Livestock Comm., UK, Sept. 27-29, 1995. 2. Babol, J. et al., "Involvement of cytochrome P450IIE1 in hepatic metabolism and clearance of skatole", EEAP Pab. No. 92, pp. 49-53. Oct. 1-3, 1997. 3. Babol, J. et al., "Relationship between oxidation and conjugation metabolism of skatole in pig liver and levels of skatole in fair", EEAP Pub. No. 92, pp. 54-57. Oct. 1-3, 1997. 4. Lauc, A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp. 62-65. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone biosynthesis", EEAP Pub. No. 92, pp. 66-69. Oct. 1-3, 1997. 7. Andersson, K. et al., "Relationship between bear taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 8. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bak, C. et al., "Identification of Selected Metabolites of Skatole in Pigs by Cytochrome P4501E1 in Liver and Levels of Skatole in Fai", J Anim Sci, Vol. 76, pp. 829-838, 1998. 10. Babol, J. et al., "Relationship Between Cytochrome P4501E1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.			ıry)	FILING DATE: No	vember 23, 2	2001	GROUP:			
FOREIGN PATENT DOCUMENTS DOCUMENT DATE NAME CLASS SUB- TRANSLATION YES NO			U.S PA	ATENT DOCUME	NTS		<u>.</u>	8		
DOCUMENT NUMBER DATE NAME CLASS SUB-TRANSLATION YES NO DK 171085 June 24/94 Denmark No OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) 1. Jensen, M.T. et al., "Microbial production of skatole in the hind gut of pigs fed different diets and its relation to skatole deposition in backfat", Proc of Meeting of EAAP Working Group, Meat & Livestock Comm., UK, Sept. 27-29, 1995. 2. Babol, J. et al., "Involvement of cytochrome P450IIE1 in hepatic metabolism and clearance of skatole", EEAP Pub. No. 92, pp. 49-53. Oct. 1-3, 1997. 3. Babol, J. et al., "Relationship between oxidation and conjugation metabolism of skatole in pig liver and levels of skatole in fat", EEAP Pub. No. 92, pp. 54-57. Oct. 1-3, 1997. 4. Laue, A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp. 62-65. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone biosynthesis", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 7. Andersson, K. et al., "Relations between boar taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 8. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs", J Agric Food Chem, Vol. 45, pp. 2332-2340, 1997. 10. Babol, J. et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Fai", J Anim Sci, Vol. 76, pp. 829-838, 1998. 11. Babol, J. et al., "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.	*EXAMINER INITIAL		DATE	NAME	CLASS					
DOCUMENT NUMBER DATE NAME CLASS SUB-TRANSLATION YES NO DK 171085 June 24/94 Denmark No OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) 1. Jensen, M.T. et al., "Microbial production of skatole in the hind gut of pigs fed different diets and its relation to skatole deposition in backfat", Proc of Meeting of EAAP Working Group, Meat & Livestock Comm., UK, Sept. 27-29, 1995. 2. Babol, J. et al., "Involvement of cytochrome P450IIE1 in hepatic metabolism and clearance of skatole", EEAP Pub. No. 92, pp. 49-53. Oct. 1-3, 1997. 3. Babol, J. et al., "Relationship between oxidation and conjugation metabolism of skatole in pig liver and levels of skatole in fat", EEAP Pub. No. 92, pp. 54-57. Oct. 1-3, 1997. 4. Laue, A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp. 62-65. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone biosynthesis", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 7. Andersson, K. et al., "Relations between boar taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 8. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs", J Agric Food Chem, Vol. 45, pp. 2332-2340, 1997. 10. Babol, J. et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Fai", J Anim Sci, Vol. 76, pp. 829-838, 1998. 11. Babol, J. et al., "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.										
DOCUMENT NUMBER DATE NAME CLASS SUB-TRANSLATION YES NO DK 171085 June 24/94 Denmark No OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) 1. Jensen, M.T. et al., "Microbial production of skatole in the hind gut of pigs fed different diets and its relation to skatole deposition in backfat", Proc of Meeting of EAAP Working Group, Meat & Livestock Comm., UK, Sept. 27-29, 1995. 2. Babol, J. et al., "Involvement of cytochrome P450IIE1 in hepatic metabolism and clearance of skatole", EEAP Pub. No. 92, pp. 49-53. Oct. 1-3, 1997. 3. Babol, J. et al., "Relationship between oxidation and conjugation metabolism of skatole in pig liver and levels of skatole in fat", EEAP Pub. No. 92, pp. 54-57. Oct. 1-3, 1997. 4. Laue, A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp. 62-65. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone biosynthesis", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 7. Andersson, K. et al., "Relations between boar taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 8. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs", J Agric Food Chem, Vol. 45, pp. 2332-2340, 1997. 10. Babol, J. et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Fai", J Anim Sci, Vol. 76, pp. 829-838, 1998. 11. Babol, J. et al., "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.			FOREIGN	N PATENT DOCU	MENTS					
DK 171085 June 24/94 Denmark No OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.) 1. Jensen, M.T. et al., "Microbial production of skatole in the hind gut of pigs fed different diets and its relation to skatole deposition in backfat", Proc of Meeting of EAAP Working Group, Meat & Livestock Comm., UK, Sept. 27-29, 1995. 2. Babol, J. et al., "Involvement of cytochrome P450IIE1 in hepatic metabolism and clearance of skatole", EEAP Pub. No. 92, pp. 49-53. Oct. 1-3, 1997. 3. Babol, J. et al., "Relationship between oxidation and conjugation metabolism of skatole in pig liver and levels of skatole in fat", EEAP Pub. No. 92, pp. 54-57. Oct. 1-3, 1997. 4. Laue, A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp. 62-65. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone biosynthesis", EEAP Pub. No. 92, pp. 66-69. Oct. 1-3, 1997. 7. Andersson, K. et al., "Relations between boar taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 8. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs", J Agrie Food Chem, Vol. 45, pp. 2332-2340, 1997. 10. Babol, J. et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Far", J Anim Sci, Vol. 76, pp. 829-838, 1998. 11. Babol, J. et al., "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997. 12. Squires, E.J. et al., "Relationship Between Cytochrome P450IIE1 in Liver and Levels				T						
1. Jensen, M.T. et al., "Microbial production of skatole in the hind gut of pigs fed different diets and its relation to skatole deposition in backfat", Proc of Meeting of EAAP Working Group, Meat & Livestock Comm., UK, Sept. 27-29, 1995. 2. Babol, J. et al., "Involvement of cytochrome P450IIE1 in hepatic metabolism and clearance of skatole", EEAP Pub. No. 92, pp. 49-53. Oct. 1-3, 1997. 3. Babol, J. et al., "Relationship between oxidation and conjugation metabolism of skatole in pig liver and levels of skatole in fat", EEAP Pub. No. 92, pp. 54-57. Oct. 1-3, 1997. 4. Laue, A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp. 62-65. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone biosynthesis", EEAP Pub. No. 92, pp. 66-69. Oct. 1-3, 1997. 7. Andersson, K. et al., "Relations between boar taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 8. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs", J Agric Food Chem, Vol. 45, pp. 2332-2340, 1997. 10. Babol, J. et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Far", J Anim Sci, Vol. 76, pp. 829-838, 1998. 11. Babol, J. et al., "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.			June 24/94	Denmark		0250		No		
1. Jensen, M.T. et al., "Microbial production of skatole in the hind gut of pigs fed different diets and its relation to skatole deposition in backfat", Proc of Meeting of EAAP Working Group, Meat & Livestock Comm., UK, Sept. 27-29, 1995. 2. Babol, J. et al., "Involvement of cytochrome P450IIE1 in hepatic metabolism and clearance of skatole", EEAP Pub. No. 92, pp. 49-53. Oct. 1-3, 1997. 3. Babol, J. et al., "Relationship between oxidation and conjugation metabolism of skatole in pig liver and levels of skatole in fat", EEAP Pub. No. 92, pp. 54-57. Oct. 1-3, 1997. 4. Laue, A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp. 62-65. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone biosynthesis", EEAP Pub. No. 92, pp. 66-69. Oct. 1-3, 1997. 7. Andersson, K. et al., "Relations between boar taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 8. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs", J Agric Food Chem, Vol. 45, pp. 2332-2340, 1997. 10. Babol, J. et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Far", J Anim Sci, Vol. 76, pp. 829-838, 1998. 11. Babol, J. et al., "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.										
1. Jensen, M.T. et al., "Microbial production of skatole in the hind gut of pigs fed different diets and its relation to skatole deposition in backfat", Proc of Meeting of EAAP Working Group, Meat & Livestock Comm., UK, Sept. 27-29, 1995. 2. Babol, J. et al., "Involvement of cytochrome P450IIE1 in hepatic metabolism and clearance of skatole", EEAP Pub. No. 92, pp. 49-53. Oct. 1-3, 1997. 3. Babol, J. et al., "Relationship between oxidation and conjugation metabolism of skatole in pig liver and levels of skatole in fat", EEAP Pub. No. 92, pp. 54-57. Oct. 1-3, 1997. 4. Laue, A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp. 62-65. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone biosynthesis", EEAP Pub. No. 92, pp. 66-69. Oct. 1-3, 1997. 7. Andersson, K. et al., "Relations between boar taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 8. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs", J Agric Food Chem, Vol. 45, pp. 2332-2340, 1997. 10. Babol, J. et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Far", J Anim Sci, Vol. 76, pp. 829-838, 1998. 11. Babol, J. et al., "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.						1		<u></u>		
relation to skatole deposition in backfat", Proc of Meeting of EAAP Working Group, Meat & Livestock Comm., UK, Sept. 27-29, 1995. 2. Babol, J. et al., "Involvement of cytochrome P450IIE1 in hepatic metabolism and clearance of skatole", EEAP Pub. No. 92, pp. 49-53. Oct. 1-3, 1997. 3. Babol, J. et al., "Relationship between oxidation and conjugation metabolism of skatole in pig liver and levels of skatole in fat", EEAP Pub. No. 92, pp. 54-57. Oct. 1-3, 1997. 4. Laue, A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp. 62-65. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone biosynthesis", EEAP Pub. No. 92, pp. 66-69. Oct. 1-3, 1997. 7. Andersson, K. et al., "Relations between boar taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 8. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs", J Agric Food Chem, Vol. 45, pp. 2332-2340, 1997. 10. Babol, J. et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Fat", J Anim Sci, Vol. 76, pp. 829-838, 1998. 11. Babol, J. et al., "Relationship Between Cytochrome P450IEI in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.		OTHER DOCU	MENTS (incl	uding Author, Title,	Date, Pertin	ent Pages	, Etc.)	·		
EEAP Pub. No. 92, pp. 49-53. Oct. 1-3, 1997. 3. Babol, J. et al., "Relationship between oxidation and conjugation metabolism of skatole in pig liver and levels of skatole in fat", EEAP Pub. No. 92, pp. 54-57. Oct. 1-3, 1997. 4. Laue, A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp. 62-65. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone biosynthesis", EEAP Pub. No. 92, pp. 66-69. Oct. 1-3, 1997. 7. Andersson, K. et al., "Relations between boar taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 8. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs", J Agric Food Chem, Vol. 45, pp. 2332-2340, 1997. 10. Babol, J. et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Fat", J Anim Sci, Vol. 76, pp. 829-838, 1998. 11. Babol, J. et al., "Hepatic Metabolism of Skatole in Pigs by Cytochrome P4502E1", J Anim Sci, Vol. 76, pp. 829-838, 1998. 12. Squires, E.J. et al., "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.	1	relation to ska	relation to skatole deposition in backfat", Proc of Meeting of EAAP Working Group, Meat & Livestock							
levels of skatole in fat", EEAP Pub. No. 92, pp. 54-57. Oct. 1-3, 1997. 4. Laue, A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp. 62-65. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone biosynthesis", EEAP Pub. No. 92, pp. 66-69. Oct. 1-3, 1997. 7. Andersson, K. et al., "Relations between boar taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 8. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs", J Agric Food Chem, Vol. 45, pp. 2332-2340, 1997. 10. Babol, J, et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Fat", J Anim Sci, Vol. 76, pp. 829-838, 1998. 11. Babol, J. et al., "Hepatic Metabolism of Skatole in Pigs by Cytochrome P4502E1", J Anim Sci, Vol. 76, pp. 829-838, 1998. 12. Squires, E.J. et al., "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.	2	EEAP Pub. No	Babol, J. et al., "Involvement of cytochrome P450IIE1 in hepatic metabolism and clearance of skatole", EEAP Pub. No. 92, pp. 49-53. Oct. 1-3, 1997.							
absorption to the portal vein", EEAP Pub. No. 92, pp. 58-61. Oct. 1-3, 1997. 5. Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp. 62-65. Oct. 1-3, 1997. 6. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone biosynthesis", EEAP Pub. No. 92, pp. 66-69. Oct. 1-3, 1997. 7. Andersson, K. et al., "Relations between boar taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. 8. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs", J Agric Food Chem, Vol. 45, pp. 2332-2340, 1997. 10. Babol, J. et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Fat", J Anim Sci, Vol. 76, pp. 829-838, 1998. 11. Babol, J. et al., "Hepatic Metabolism of Skatole in Pigs by Cytochrome P4502E1", J Anim Sci, Vol. 76, pp. 829-838, 1998. 12. Squires, E.J. et al., "Relationship Between Cytochrome P450IE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.	3	Babol, J. et al. levels of skato	Babol, J. et al., "Relationship between oxidation and conjugation metabolism of skatole in pig liver and							
 62-65. Oct. 1-3, 1997. Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone biosynthesis", EEAP Pub. No. 92, pp. 66-69. Oct. 1-3, 1997. Andersson, K. et al., "Relations between boar taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs", J Agric Food Chem, Vol. 45, pp. 2332-2340, 1997. Babol, J. et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Fat", J Anim Sci, Vol. 76, pp. 829-838, 1998. Babol, J. et al., "Hepatic Metabolism of Skatole in Pigs by Cytochrome P4502E1", J Anim Sci, Vol. 76, pp. 829-838, 1998. Squires, E.J. et al., "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997. 	. 4	Laue, A. et al., absorption to t	Laue. A. et al., "Effect of tryptophan infusion on the production of indole derivatives in the hind gut and							
 92, pp. 66-69. Oct. 1-3, 1997. Andersson, K. et al., "Relations between boar taint and puberty in entire pig males", EEAP Pub. No. 92, pp. 70-73. Oct. 1-3, 1997. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs", J Agric Food Chem, Vol. 45, pp. 2332-2340, 1997. Babol, J, et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Fat", J Anim Sci, Vol. 76, pp. 829-838, 1998. Babol, J. et al., "Hepatic Metabolism of Skatole in Pigs by Cytochrome P4502E1", J Anim Sci, Vol. 76, pp. 829-838, 1998. Squires, E.J. et al., "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997. 	5		Babol, J. et al., "Relationship between metabolism of androstenone and skatole", EEAP Pub. No. 92, pp.							
 pp. 70-73. Oct. 1-3, 1997. Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs", J Agric Food Chem, Vol. 45, pp. 2332-2340, 1997. Babol, J, et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Fat", J Anim Sci, Vol. 76, pp. 829-838, 1998. Babol, J. et al., "Hepatic Metabolism of Skatole in Pigs by Cytochrome P4502E1", J Anim Sci, Vol. 76, pp. 829-838, 1998. Squires, E.J. et al., "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997. 	6	Edwards, S.M. 92, pp. 66-69.	Edwards, S.M. et al., "Involvement of cytochrome b5 in androstenone biosynthesis", EEAP Pub. No.							
protein levels", Livestock Prod Sci, Vol. 38, pp. 125-132, 1994. 9. Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs", J Agric Food Chem, Vol. 45, pp. 2332-2340, 1997. 10. Babol, J, et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Fat", J Anim Sci, Vol. 76, pp. 829-838, 1998. 11. Babol, J. et al., "Hepatic Metabolism of Skatole in Pigs by Cytochrome P4502E1", J Anim Sci, Vol. 76, pp. 829-838, 1998. 12. Squires, E.J. et al., "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.	.7		Andersson, K. et al., "Relations between boar taint and puberty in entire pig males", EEAP Pub. No. 92,							
J Agric Food Chem, Vol. 45, pp. 2332-2340, 1997. 10. Babol, J, et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver and Concentrations of Skatole in Fat", J Anim Sci, Vol. 76, pp. 829-838, 1998. 11. Babol, J. et al., "Hepatic Metabolism of Skatole in Pigs by Cytochrome P4502E1", J Anim Sci, Vol. 76, pp. 829-838, 1998. 12. Squires, E.J. et al., "Relationship Between Cytochrome P450IE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.	8	Lundström, K. protein levels"	Lundström, K. et al., "Skatole levels in pigs selected for high lean tissue growth rate on different dietary							
and Concentrations of Skatole in Fat", J Anim Sci, Vol. 76, pp. 829-838, 1998. 11. Babol, J. et al, "Hepatic Metabolism of Skatole in Pigs by Cytochrome P4502E1", J Anim Sci, Vol. 76, pp. 829-838, 1998. 12. Squires, E.J. et al, "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.	9	Bæk, C. et al., J Agric Food C	Bæk, C. et al., "Identification of Selected Metabolites of Skatole in Plasma and Urine from Pigs",							
pp. 829-838, 1998. 12. Squires, E.J. et al, "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997. EXAMENED: Initial if citation considered, whether or not citation is in accordance with MPEP 609; draw line through citation if not in	10	0. Babol, J, et al., and Concentra	Bahol, J. et al., "Relationship Between Oxidation and Conjugation Metabolism of Skatole in Pig Liver							
Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.	1		Babol, J. et al, "Hepatic Metabolism of Skatole in Pigs by Cytochrome P4502E1", J Anim Sci, Vol. 76,							
XAMINER: Initial if citation considered, whether or not citation is in accordance with MPEP 609; draw line through citation if not in	1:	2. Squires, E.J. et Metabolites in	Squires, E.J. et al, "Relationship Between Cytochrome P450IIE1 in Liver and Levels of Skatole and Its Metabolites in Intact Male Pigs", J Anim Sci, Vol. 75, pp. 2506-2511, 1997.							
conformance and not considered. Include conv of this form with next communication to applicant.	*EXAMINER: Initia	al if citation considered,	, whether or not ci	tation is in accordance w	vith MPEP 609; communication	draw line the	rrough citation nt.	if not in		

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE			ATTY. DOCKET NO.: 6580-234	SERIAL NO.
(REV. 2-32) PATENT AND TRADEMARK OFFICE			APPLICANTS: Squires, E. James, et al	X
	BY API	OSURE STATEMENT PLICANT I sheets if necessary)	FILING DATE: November 23, 2001	GROUP:
			uding Author, Title, Date, Pertinent Pages	, Etc.)
	13.	Claus, R. et al, "Oestrogens, of Acta Endocrino, Vol. 94, pp. 4	compared to other steroids of testicular origin, 04-411, 1980.	in bloodplasma of boars",
	14.	Friis, C., "Is boar-taint related Meeting of EAAP Working Gr	to sex differences or polymorphism of skatole oup, Meat & Livestock Comm., Sept. 27-29,	metabolism", Proc of 1995.
			·	
			<u> </u>	
				<u>,, , </u>
				,
		,		
*EXAMINER: Init	tial if cit	tation considered, whether or not cita	ation is in accordance with MPEP 609; draw line th	rough citation if not in